

Title (en)

COMPENSATION FOR EDGE EFFECTS AND CELL GAP VARIATION IN TILED FLAT-PANEL, LIQUID CRYSTAL DISPLAYS

Title (de)

KOMPENSATION VON KANTENEFFEKTEN UND ZELLLÜCKENSCHWANKUNGEN IN ZUSAMMENGESETZTEN
FLÜSSIGKRISTALLFLACHBILDSCHIRMEN

Title (fr)

COMPENSATION DES EFFETS DE BORDS ET DE LA VARIATION DE L'ESPACEMENT DES CELLULES DANS DES ECRANS PLATS A
CRISTAUX LIQUIDES EN MOSAIQUES

Publication

EP 1196813 A1 20020417 (EN)

Application

EP 00916093 A 20000302

Priority

- US 0005756 W 20000302
- US 39614299 A 19990915

Abstract (en)

[origin: US6115092A] The present invention features procedures for correcting discoloration and brightness variations due to liquid crystal cell gap variations or other optical, electro-optical, ambient light, electronic, mechanical, and materials anomalies arising in tiled, flat-panel displays. The purpose of these corrections is to achieve a visually seamless appearance. Absolute, relative and/or smoothing corrections are implemented by performing pixel data video processing with correction data acquired from memory. Techniques for determining and applying these corrections are described.

IPC 1-7

G02F 1/133; **G02F 1/1347**; **G02F 1/13**; **G02F 1/1339**; **G09G 5/00**; **G09G 3/36**; **G09G 5/06**; **H04N 5/66**

IPC 8 full level

G02F 1/1347 (2006.01); **G02F 1/133** (2006.01); **G06F 3/147** (2006.01); **G02F 1/1333** (2006.01); **G09G 3/36** (2006.01); **G09G 5/393** (2006.01)

CPC (source: EP KR US)

G02F 1/133 (2013.01 - KR); **G06F 3/147** (2013.01 - EP US); **G09G 3/20** (2013.01 - EP); **G02F 1/13336** (2013.01 - EP US);
G09G 3/3611 (2013.01 - EP US); **G09G 5/393** (2013.01 - EP US); **G09G 2300/026** (2013.01 - EP US); **G09G 2310/0232** (2013.01 - EP US);
G09G 2320/0233 (2013.01 - EP US); **Y10S 345/903** (2013.01 - EP US)

Citation (search report)

See references of WO 0120391A1

Designated contracting state (EPC)

NL

DOCDB simple family (publication)

US 6115092 A 20000905; EP 1196813 A1 20020417; JP 2003509722 A 20030311; JP 4603747 B2 20101222; KR 100731574 B1 20070625;
KR 100770418 B1 20071026; KR 100798878 B1 20080129; KR 20010092739 A 20011026; KR 20070049662 A 20070511;
KR 20070050072 A 20070514; TW 500942 B 20020901; US 6181392 B1 20010130; US 6184952 B1 20010206; US 6184953 B1 20010206;
US 6188454 B1 20010213; WO 0120391 A1 20010322

DOCDB simple family (application)

US 39614299 A 19990915; EP 00916093 A 20000302; JP 2001523914 A 20000302; KR 20017006094 A 20010515;
KR 20077005563 A 20070309; KR 20077005564 A 20070309; TW 89105829 A 20000329; US 0005756 W 20000302; US 57936000 A 20000526;
US 57936100 A 20000526; US 57936200 A 20000526; US 57936600 A 20000526